

NATURAL RESOURCES CONSERVATION SERVICE
Wyoming
CONSTRUCTION SPECIFICATIONS
FOR
EXCAVATED SEDIMENT BASIN

(Owner/Operator)

(Project/Title)

GENERAL

Installation shall be in accordance with an approved design and plan. Details of construction shown on the drawings but not included herein are considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.

SITE PREPARATION

Areas to be excavated or have excavated materials disposed upon shall be cleared of all trees, brush, logs, and debris. Areas where berms will be constructed shall, in addition, be stripped to a sufficient depth to remove surface soil, vegetation, roots, and sod. Prior to placing fill, the foundation area shall be roughened and moistened to assure good bond between foundation and berm fill materials.

Waste material shall be removed from the site or otherwise disposed so that runoff water will not carry it into the sediment basin.

EXCAVATION

The sediment basin shall be excavated to the lines and grades shown on the drawings and/or staked in the field. Spillways when shown on the drawings shall be excavated to the required cross-section and grades.

EXCAVATED MATERIAL

Excavated material used for dikes and berms shall be placed as shown on the drawings and/or staked in the field. The material shall be spread in relatively level, uniform layers not to exceed six inches in thickness. Each layer shall be compacted by routing construction equipment over it. The entire surface layer of each lift shall receive a minimum of two passes from construction equipment before a new lift is placed.

EXCAVATION DISPOSAL

The excess material excavated from the sediment basin and not used for dikes and berms shall be disposed of in one of the following ways:

1. Uniformly spread to a height not exceeding three feet with the top graded to a continuous slope away from the basin.
2. Uniformly placed and spread behind the berm width and with side slopes as shown on the drawings.
3. Removed from the project site.

SEEDING

Cut slope areas above the design water level, embankment and waste excavated material shall be seeded as required in "ADDITIONAL SPECIFICATIONS".

INLET AND OUTLET PROTECTION

Structural protection shall be as shown on the drawings for the sediment basin inlet and outlet. Rock for riprap shall be angular, dense, sound, and free from cracks, seams, and other defects conducive to accelerated weathering. The rock shall be well graded so that the installed riprap blanket will consist of a dense layer of interlocked rock.

Bedding material when specified shall consist of a sand-gravel mixture such as would be used in a concrete mix.

ADDITIONAL SPECIFICATIONS